

wherein the first coil and the second coil are substantially isolated from each other.

Claim 18 (previous) presented):

A coil configuration for a magnetic resonance imaging system, comprising:
a first coil covering at least a portion of a volume of interest; and
a second coil spiraling round and covering the at least a portion of the volume,
wherein the coil configuration is single tuned such that the first coil and the second coil are tuned to the same frequency,
wherein the first coil and the second coil are substantially isolated from each other.

Claim 19 (previous) presented):

The coil configuration according to claim 18,
wherein the second coil is a spiraled version of the first coil.

Claim 20 (previous) presented):

The coil configuration according to claim 19,
wherein the second coil is selected from the group consisting of:
spiral birdcage coil, spiral Alderman-Grant coil, spiral saddle coil, and spiral Helmholtz coil.

Claim 21 (withdrawn)

The coil configuration according to claim 11,
wherein at least one of the first coil and the second coil is in a linear mode.

Claim 22 (previous) presented):

The coil configuration according to claim 11,
wherein at least one of the first coil and the second coil is in a quadrature mode.

Claim 23 (previous) presented):

The coil configuration according to claim 12,
wherein at least one of the first coil and the second coil is in a quadrature mode.

Claim 24 (withdrawn):

The coil configuration according to claim 14,
wherein at least one of the first coil and the second coil is in a linear mode.

Claim 25 (withdrawn):

The coil configuration according to claim 14,
wherein at least one of the first coil and the second coil is in a quadrature mode.

Claim 26 (previously presented):

The coil configuration according to claim 15,
wherein at least one of the first coil and the second coil is in a quadrature mode.

Claim 27 (previously presented):

The coil configuration according to claim 20,
wherein the second coil is a spiral birdcage coil.

Claim 28 (withdrawn):

The coil configuration according to claim 20,
wherein the second coil is a spiral Alderman-Grant coil.

Claim 29 (withdrawn):

The coil configuration according to claim 20,
wherein the second coil is a spiral saddle coil.

Claim 30 (withdrawn):

The coil configuration according to claim 20, wherein the second coil is a spiral Helmholtz coil.